	Document Owner Department: QC	BT-SPEC-0109
		Page 1 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>CHINA BLUE LACTOSE AGAR CM0209</b>		

## CHINA BLUE LACTOSE AGAR

CM0209

### Typical Formula\*

	grams per litre	
Peptone		5.0
'Lab-Lemco' powder		3.0
Lactose		10.0
Sodium chloride		5.0
China blue		q.s.
Agar		12.0

\* adjusted as required to meet performance standards

### Directions

Suspend 35g in 1 litre of distilled water. Boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes.

### Physical Characteristics

Straw/pale blue, free-flowing powder  
 Colour on reconstitution - blue  
 Moisture level - less than or equal to 7%  
 pH - 7.0 ± 0.2 at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 12.0g/litre of agar

### Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

### Reactions after incubation at 37°C for 18 hours

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	2-4mm light blue colonies, dark centre
<i>Shigella sonnei</i>	ATCC® 25931	2-3mm colourless colonies
<i>Enterococcus faecalis</i>	ATCC® 29212	Pinpoint-0.5mm pale blue colonies
<i>Staphylococcus aureus</i>	ATCC® 25923	0.5-1mm green/blue opaque colonies

<b>ThermoFisher</b> SCIENTIFIC	Document Owner Department: QC	BT-SPEC-0109
		Page 2 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>CHINA BLUE LACTOSE AGAR CM0209</b>		


Enriched with 1% v/v skimmed milk

Inoculation using pour plate technique with seeded pasteurised milk sample

Medium is challenged with 100 to 300 colony-forming units

<i>Escherichia coli</i>	ATCC®11775
<i>Proteus mirabilis</i>	ATCC®12453
<i>Klebsiella pneumoniae</i>	ATCC®29665

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

	Document Owner Department: QC	BT-SPEC-0109
		Page 3 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>CHINA BLUE LACTOSE AGAR CM0209</b>		

### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-1931
Microbiological Tests	Addition of Control Medium and Result Criteria. Correction of incubation time and temperature for pasteurised milk samples from 30°C for 48 hours to 37°C for 18 hours.	Change control	BT-CC-1931